

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

Claim 1. (Currently Amended) A slurry, comprising:

a hydrophobic zeolite and an organic emulsion binder selected from the group consisting of vinyl acetate resins, (meth)acrylic-styrene copolymer resins, styrene-butadiene copolymer resins, ethylene-vinyl acetate copolymer resins and styrene-acrylonitrile-alkyl (meth)acrylate copolymer resins dispersed in water, the slurry, upon contact with a carrier, effecting support of the zeolite on the carrier.

Claim 2. (Canceled)

Claim 3. (Canceled)

Claim 4. (Previously Amended) The slurry according to Claim 1, having a zeolite content of 30-40 wt %.

Claim 5. (Previously Amended) The slurry according to Claim 1, having an organic emulsion binder content of 3-7 wt % on a dry basis.

Claim 6. (Previously Amended) The slurry according to Claim 1, having a viscosity of 15-20 mPa·s at 20° C.

Claim 7. (Previously Amended) The slurry according to Claim 1, having a pH of 4-6.

Claim 8. (Previously Amended) A method of manufacturing a zeolite-carrying adsorption element, comprising:

impregnating a carrier with the slurry according to Claim 1;
drying the carrier;
impregnating the carrier with an inorganic binder; and
drying and firing the resulting impregnated carrier.

Claim 9. (Previously Amended) The method of manufacturing a zeolite-carrying adsorption element according to Claim 8, wherein the inorganic binder is one or more binders selected from the group consisting of silica sol, alumina sol and titanium dioxide sol.

Claim 10. (Original) The method of manufacturing a zeolite-carrying adsorption element according to Claim 8, wherein the carrier is a honeycomb-shaped carrier formed from inorganic fiber paper.

Claim 11. (Previously Presented) The slurry according to Claim 6, wherein said viscosity ranges from 15-17 mPa·s at 20° C.

Claim 12. (Previously Presented) The slurry according to Claim 7, wherein said pH ranges from 5-6.

Claim 13. (Previously Presented) The method of manufacturing a zeolite-carrying adsorption element according to Claim 8, wherein drying of the carrier after impregnation with said inorganic binder is done at 100-140° C for 45-90 min.

Claim 14. (Previously Presented) The method of manufacturing a zeolite-carrying adsorption element according to Claim 8, wherein firing of the carrier after impregnation with said inorganic binder is done at 450-550° C for 60-120 min.